

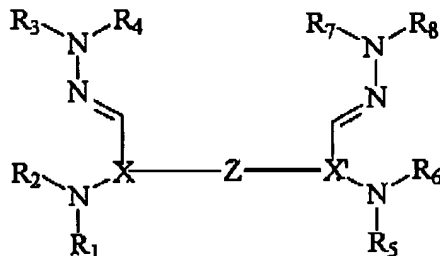
Application No. 10/749,171

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Previously Presented) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, and R<sub>8</sub> are, each independently, an alkyl group, an alkaryl group, an aryl group, or heterocyclic group, X and X' are, each independently, aromatic groups, and Z is a divalent linking group having the formula -(CH<sub>2</sub>)<sub>m</sub>-, branched or linear, where m is an integer between 1 and 30, inclusive, one or more of the methylene groups may be replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR<sub>9</sub> group, a CHR<sub>10</sub> group, or a CR<sub>11</sub>R<sub>12</sub> group where R<sub>9</sub> and R<sub>10</sub> are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, or an aryl group, and R<sub>11</sub>, and R<sub>12</sub> are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, an aryl group,

Application No. 10/749,171

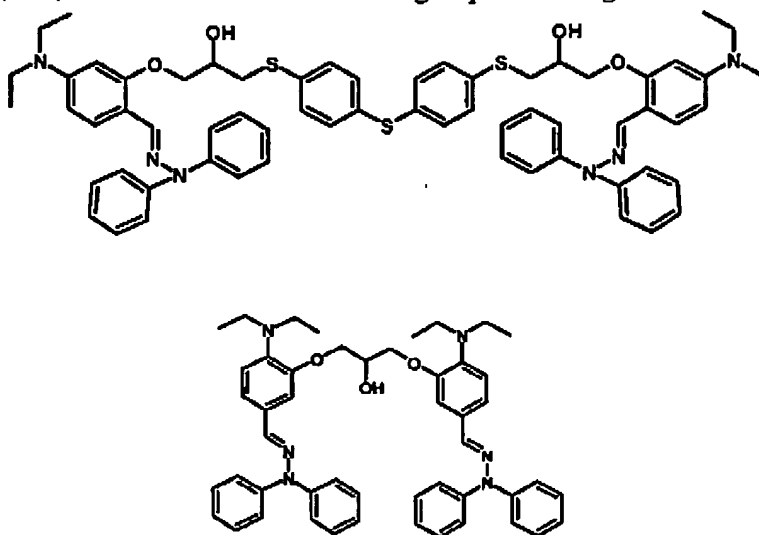
or a part of a cyclic ring and one or more methylene groups is replaced by S, C=O, O=S=O, a heterocyclic group, urethane, urea, an ester group, a  $\text{NR}_9$  group, a  $\text{CHR}_{13}$  group, a  $\text{CR}_{14}\text{R}_{15}$  group where  $\text{R}_{13}$ ,  $\text{R}_{14}$  and  $\text{R}_{15}$  are independently hydroxyl, thiol, an alkoxy group or an alkyl group; and

(b) a charge generating compound.

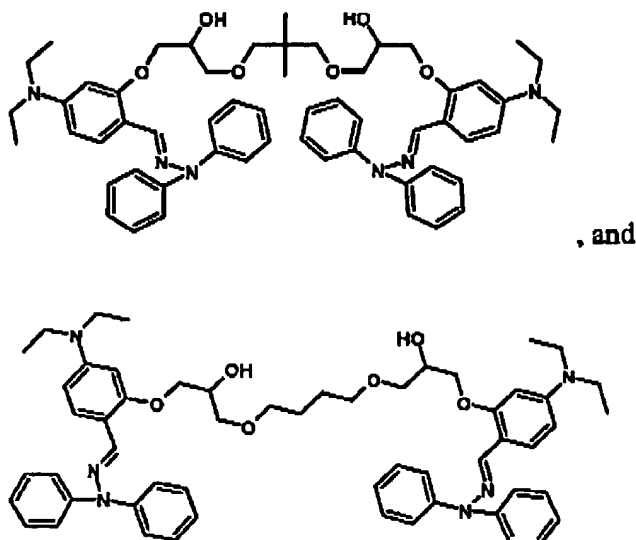
2. (Original) An organophotoreceptor according to claim 1 wherein  $\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_5$ , and  $\text{R}_6$ , each independently, comprise an aryl group.

3. (Original) An organophotoreceptor according to claim 1 wherein X and X', each independently, comprise an aryl group.

4. (Original) An organophotoreceptor according to claim 1 wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/749,171

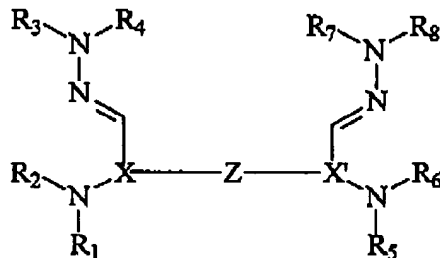


5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.
6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises an electron transport compound.
7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.
8. (Previously Presented) An electrophotographic imaging apparatus comprising:
  - (a) a light imaging component; and
  - (b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a

Application No. 10/749,171

photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material having the formula



where  $\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_3$ ,  $\text{R}_4$ ,  $\text{R}_5$ ,  $\text{R}_6$ ,  $\text{R}_7$ , and  $\text{R}_8$  are, each independently, an alkyl group, an alkaryl group, an aryl group, or heterocyclic group,  $\text{X}$  and  $\text{X}'$  are, each independently, aromatic groups, and  $\text{Z}$  is a divalent linking group having the formula  $-(\text{CH}_2)_m-$ , branched or linear, where  $m$  is an integer between 1 and 30, inclusive, one or more of the methylene groups may be replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a  $\text{NR}_9$  group, a  $\text{CHR}_{10}$  group, or a  $\text{CR}_{11}\text{R}_{12}$  group where  $\text{R}_9$  and  $\text{R}_{10}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, or an aryl group, and  $\text{R}_{11}$ , and  $\text{R}_{12}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, an aryl group, or a part of a cyclic ring and one or more methylene groups is replaced by S, C=O, O=S=O, a heterocyclic group, urethane, urea, an ester group, a  $\text{NR}_9$  group a  $\text{CHR}_{13}$  group, a  $\text{CR}_{14}\text{R}_{15}$  group where  $\text{R}_{13}$ ,  $\text{R}_{14}$  and  $\text{R}_{15}$  are independently hydroxyl, thiol, an alkoxy group or an alkyl group; and

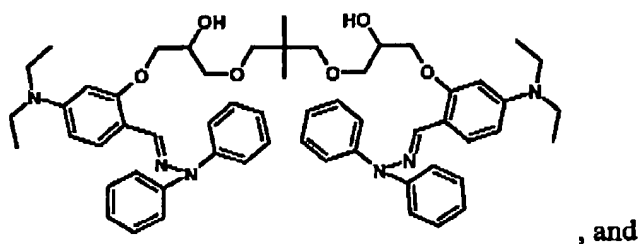
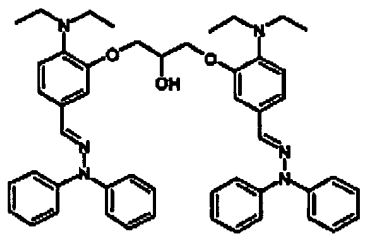
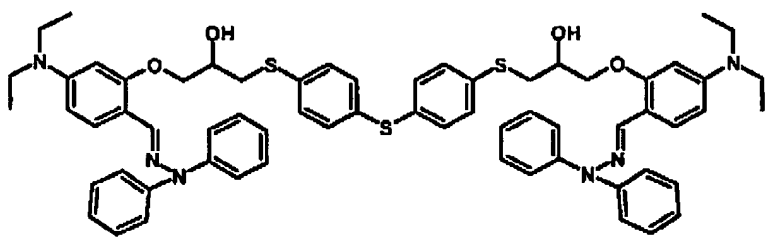
(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein  $\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_5$ , and  $\text{R}_6$ , each independently, comprise an aryl group.

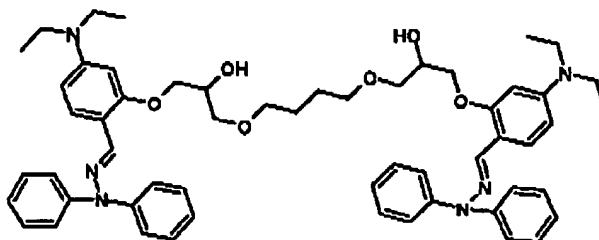
Application No. 10/749,171

10. (Original) An electrophotographic imaging apparatus according to claim 8 wherein X and X', each independently, comprise an aryl group.

11. (Original) An electrophotographic imaging apparatus according to claim 8, wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/749,171



12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

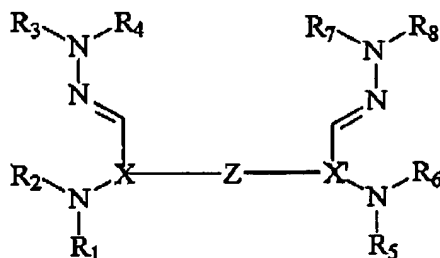
13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein second charge transport material comprises an electron transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a liquid toner dispenser.

15. (Previously Presented) An electrophotographic imaging process comprising;

(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material having the formula



Application No. 10/749,171

where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ , and  $R_8$  are, each independently, an alkyl group, an alkaryl group, an aryl group, or heterocyclic group,  $X$  and  $X'$  are, each independently, aromatic groups, and  $Z$  is a divalent linking group having the formula  $-(CH_2)_m-$ , branched or linear, where  $m$  is an integer between 1 and 30, inclusive, one or more of the methylene groups may be replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a  $NR_9$  group, a  $CHR_{10}$  group, or a  $CR_{11}R_{12}$  group where  $R_9$  and  $R_{10}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, or an aryl group, and  $R_{11}$ , and  $R_{12}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, an aryl group, or a part of a cyclic ring and one or more methylene groups is replaced by S, C=O, O=S=O, a heterocyclic group, urethane, urea, an ester group, a  $NR_9$  group, a  $CHR_{13}$  group, a  $CR_{14}R_{15}$  group where  $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are independently hydroxyl, thiol, an alkoxy group or an alkyl group; and

(ii) a charge generating compound.

(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

(c) contacting the surface with a toner to create a toned image; and

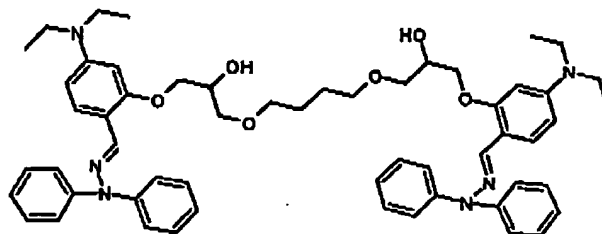
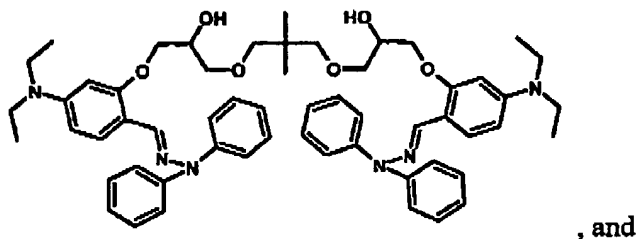
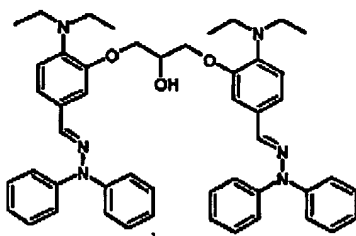
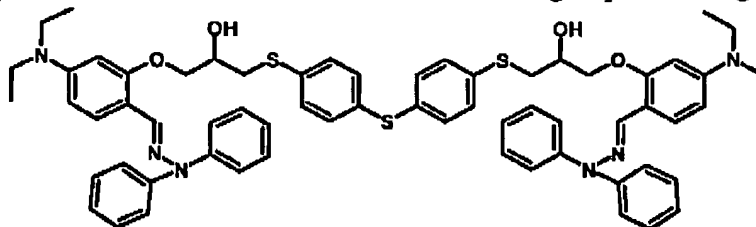
(d) transferring the toned image to substrate.

16. (Original) An electrophotographic imaging process according to claim 15 wherein  $R_1$ ,  $R_2$ ,  $R_5$ , and  $R_6$ , each independently, comprise an aryl group.

17. (Original) An electrophotographic imaging process according to claim 15 wherein  $X$  and  $X'$ , each independently, comprise an aryl group.

Application No. 10/749,171

18. (Original) An electrophotographic imaging process according to claim 15 wherein the charge transport material has a formula selected from the group consisting of the following:



19. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a second charge transport material.



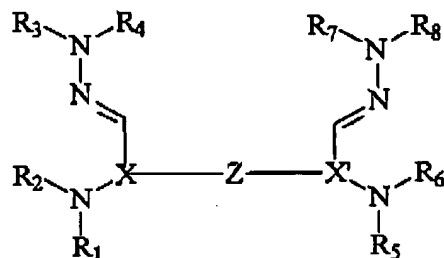
Application No. 10/749,171

20. (Original) An electrophotographic imaging process according to claim 19 wherein the second charge transport material comprises an electron transport compound.

21. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a binder.

22. (Original) An electrophotographic imaging process according to claim 15 wherein the toner comprises a liquid toner comprising a dispersion of colorant particles in an organic liquid.

23. (Previously Presented) A charge transport material having the formula



where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ , and  $R_8$  are, each independently, an alkyl group, an alkaryl group, an aryl group, or heterocyclic group,  $X$  and  $X'$  are, each independently, aromatic groups, and  $Z$  is a divalent linking group having the formula  $-(CH_2)_m-$ , branched or linear, where  $m$  is an integer between 1 and 30, inclusive, one or more of the methylene groups may be replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a  $NR_9$  group, a  $CHR_{10}$  group, or a  $CR_{11}R_{12}$  group where  $R_9$  and  $R_{10}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, or an aryl group, and  $R_{11}$ , and  $R_{12}$  are, each independently, H, hydroxyl, thiol, an alkoxy group, an alkyl group, an aryl group,

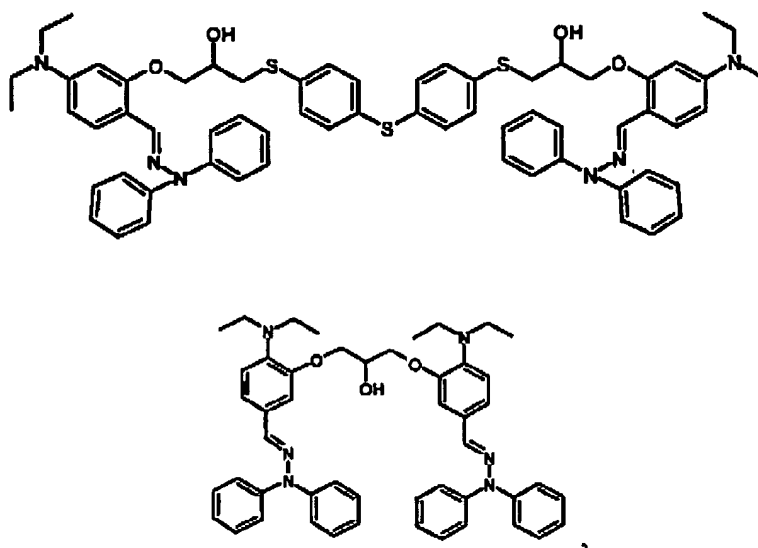
Application No. 10/749,171

or a part of a cyclic ring and one or more methylene groups is replaced by S, C=O, O=S=O, a heterocyclic group, urethane, urea, an ester group, a NR<sub>9</sub> group a CHR<sub>13</sub> group, a CR<sub>14</sub>R<sub>15</sub> group where R<sub>13</sub>, R<sub>14</sub> and R<sub>15</sub> are independently hydroxyl, thiol, an alkoxy group or an alkyl group.

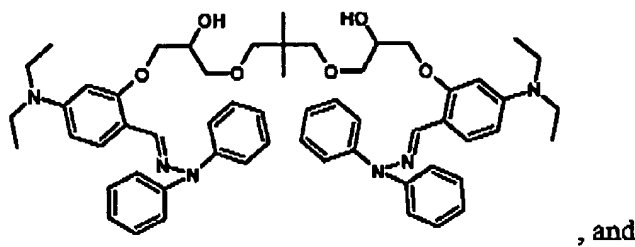
24. (Original) A charge transport material according to claim 23 wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>5</sub>, and R<sub>6</sub>, each independently, comprise an aryl group.

25. (Original) A charge transport material according to claim 23 wherein X and X', each independently, comprise an aryl group.

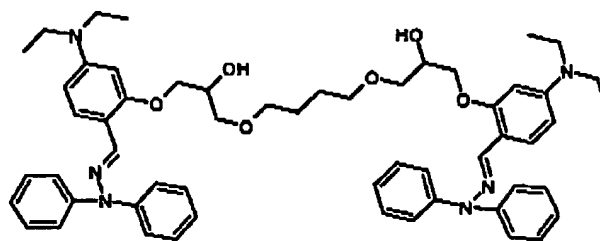
26. (Original) A charge transport material according to claim 23 wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/749,171



, and



27. Cancelled.